

IN THE CLAIMS

Please cancel claim 29.

1. (Currently Amended) A digital coaxial cable LAN for communicating data between clients of the cable LAN, the cable LAN comprising:

a plurality of clients;

a plurality of universal client interface adapters, one universal client interface adapter in communication with at least one client and in communication with at least one other universal client interface adapter;

at least one coaxial cable coupled between a pair of universal client interface adapters, the at least one coaxial cable having an operating frequency spectrum, the operating frequency spectrum having at least a first portion and a second portion, the second portion operating at a frequency greater than 950 MHz ~~a signal cut-off frequency defined for conventional coaxial cable services~~; and

at least one carrier modulated digital signal having a signal operating frequency that occupies the second portion of the operating frequency spectrum of the coaxial cable, the at least one carrier modulated digital signal transmitted in the coaxial cable coupled between the pair of universal client interface adapters.

2. (Original) The cable LAN of claim 1 wherein at least one of the plurality of universal client interface adapters is integrated into a client of the cable LAN.

3. (Original) The cable LAN of claim 1 wherein the at least one carrier modulated digital signal is an in-home signal and the coaxial cable is tapped off of a public cable network.

4. (Original) The cable LAN of claim 3 further comprising a low pass filter coupled upstream of the in-home signal.

5. (Original) The cable LAN of claim 4, the low pass filter having a cut off frequency less than 1000 MHz.

6. (Canceled).

7. (Original) The cable LAN of claim 1 wherein the at least one carrier modulated digital signal is an in-home signal, the cable LAN further comprising a low pass filter coupled upstream of the in-home signal to a public cable network, wherein the carrier modulated digital signal is generated downstream of the low pass filter.

8. (Canceled).

9. (Original) The cable LAN of claim 1 wherein the carrier modulated digital signal operating frequency is greater than approximately 950 MHz.

10. (Original) The cable LAN of claim 9 wherein the carrier modulated digital signal operating frequency is between 950 MHz and 2000 MHz.

11. (Original) The cable LAN of claim 10 wherein the carrier modulated digital signal operating frequency is approximately 1300 MHz.

12. (Original) The cable LAN of claim 9 wherein the carrier modulated digital signal operating frequency has a bandwidth of at least 5 MHz.

13-24 (Canceled).

25. (Currently Amended) A method for communicating data between a first universal client interface adapter and a second universal client interface adapter coupled by a coaxial cable, the method comprising:

receiving digitized data in the first universal client interface adapter from a client;
processing the digitized data within the first universal client interface adapter into
a carrier modulated digital signal having a signal operating frequency that is
greater than 950 MHz ~~a signal cut-off frequency defined for conventional
coaxial cable services~~; and
communicating the carrier modulated digital signal from the first universal client
interface adapter to the second universal client interface adapter through the
coaxial cable.

26. (Original) The method of claim 25, wherein processing the digitized data comprises:
modulating the digitized data into an analog wave form;
converting the modulated data into an analog signal having an intermediate
frequency;
increasing the intermediate frequency to a frequency that is greater than the
signal cut-off frequency; and
amplifying the power of the signal.

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Cont.*
27. (Currently Amended) The cable LAN of claim 1 wherein the carrier modulated digital
signal operating frequency is greater than approximately ~~450~~ 950 MHz.

28. (Currently Amended) A cable LAN comprising:
at least one client device transmitting a digital data signal to a universal client
interface adapter;
the universal client interface adapter processing the digital data signal into a
carrier modulated digital signal with an operating frequency greater than 950
MHz ~~a frequency spectrum of a normal coaxial cable system~~; and
at least one coaxial cable connecting the universal client interface adapter to at
least one additional universal client interface adapter and communicating the
carrier modulated digital signal from the universal client interface adapter to
the at least one additional universal client interface adapter.

29. (Canceled)

30. (Previously Presented) The cable LAN of claim 28 wherein the carrier modulated digital signal operating frequency is greater than approximately 950 MHz.

31. (Previously Presented) The cable LAN of claim 28 wherein the carrier modulated digital signal operating frequency is approximately 1300 MHz.

32. (Previously Presented) The cable LAN of claim 28 wherein the carrier modulated digital signal has a bandwidth of at least 5 MHz.

33. (Currently Amended) The cable LAN of claim 28 wherein ~~the~~ a normal coaxial cable system transmits signals external to the cable LAN.
